



Contract Number	Mix Class	Sample Number	Date Sampled
Aggregate Source	ACP Test Number	JMF Number	Sample Weight (lbs.)

## Sand Equivalent Test (AASHTO T-176)

$$SE \text{ Value} = \frac{\text{Sand Reading (100)}}{\text{Clay Reading}}$$

Clay Reading	Sand Reading	SE Value

**Specification**

**Average**

## Percent Fracture in Coarse Aggregate (WAQTC TM-1)

$$P = \left[ \frac{[F + (Q / 2)]}{F + Q + N} \right] (100)$$

P = Percent Fracture  
F = Mass of Fractured Particles

Q = Mass of Questionable Particles  
N = Mass of Nonfractured Particles

Sieve Size	F	Q	N	P

**Specification**

## Fine Aggregate Angularity (AASHTO T-304)

$$U = \left[ \frac{V - (F / G)}{V} \right] (100)$$

V = Volume of Cylindrical Measure  
F = Mass of Aggregate  
G = Bulk Dry Specific Gravity Fine Aggregate ( $G_{sb}$ )  
U = Uncompacted Voids

Preparation of Test Sample	
Sieve Size	Mass
# 8 - # 16	44 grams $\pm$ 0.2g
# 16 - # 30	57 grams $\pm$ 0.2g
# 30 - # 50	72 grams $\pm$ 0.2g
# 50 - # 100	17 grams $\pm$ 0.2g

Tare

V	F	G	U

**Specification**

**Average**

## Flat and Elongated Particles (ASTM D 4791)

$$\% \text{ Flat \& Elong.} = \left[ \frac{\text{Wt.}}{\text{Total Wt.}} \right] (100)$$

Sieve Size	% Retained	Wt	Total Wt	Percent

**Specification**

**Dimensional Ratio**

Contractor's Signature	Date
Inspector's Signature	Date